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tain all earnest students who wish to visit this remarkable volcano. Similar local organizations will be encouraged in the Philippines, South America, Mexico and other volcanic countries, where, by a little encouragement, local observation will be stimulated.

The committee on permanent organization consists of Capt. T. C. McLean, Commander of the League Island Navy Yard, Philadelphia; Professor I. C. Russell, of the University of Michigan; Lieut. Com. J. B. Bernadou, of the U. S. Navy; Major H. J. Gallagher, of the U. S. Army; Professor E. O. Hovey, of the American Museum of Natural History; Professor T. A. Jaggar, of Harvard; Messrs. A. F. Jacacci and George Kennan, the well-known writers, and Messrs. J. Martin Miller, W. M. Mason and J. O. Hammitt, of the press.

The president of the society is Mr. Robert T. Hill, the secretary, Mr. H. H. Smith, and its address is Washington, D. C.

PRESIDENT ELIOT.

THE following letter with some ten thousand signatures was presented to President Eliot on his seventieth birthday.

March 20, 1904.

Dear Mr. President: As with undiminished power you pass the age of seventy, we greet you.

Thirty-five years ago you were called to be president of Harvard College. At the age of thirty-five you became the head of an institution whose history was long, whose traditions were firm, and whose leading counselors were of twice your age. With prophetic insight you anticipated the movements of thought and life; your face was towards the coming day. In your imagination the college was already the university.

You have upheld the old studies and uplifted the new. You have given a new definition to a liberal education. The university has become the expression of the highest intellectual forces of the present as well as of the past.

You have held from the first that teacher and student alike grow strong through freedom. Working eagerly with you and for you are men whose beliefs, whether in education or in religion, differ widely from your own, yet who know that in speaking out their beliefs they are not more loyal to themselves than to you. By your faith in a young man's use of intellectual and spiritual

freedom you have given new dignity to the life of the college student.

The universities and colleges throughout the land, though some are slow to accept your principles and adopt your methods, all feel your power and recognize with gratitude your stimulating influence and your leadership.

Through you the American people have begun to see that a university is not a cloister for the recluse, but an expression of all that is best in the nation's thought and character. From Harvard University men go into every part of our national life. To Harvard University come from the common schools, through paths that have been broadened by your work, the youth who have the capacity and the will to profit by her teaching. Your influence is felt in the councils of the teachers and in the education of the youngest child.

As a son of New England you have sustained the traditions of her patriots and scholars. By precept and example you have taught that the first duty of every citizen is to his country. In public life you have been independent and outspoken; in private life you have stood for simplicity. In the great and bewildering conflict of economic and social questions you have with clear head and firm voice spoken for the fundamental principles of democracy and the liberties of the people.

More precious to the sons of Harvard than your service as educator or citizen is your character. Your outward reserve has concealed a heart more tender than you have trusted yourself to reveal. Defeat of your cherished plans has disclosed your patience and magnanimity and your willingness to bide your time.

Fearless, just, and wise, of deep and simple faith, serene in affliction, self-restrained in success, unsuspected by any man of self interest, you command the admiration of all men and the gratitude and loyalty of the sons of Harvard.

SCIENTIFIC NOTES AND NEWS.

THE annual stated session of the National Academy of Sciences will be held in Washington, D. C., beginning on Tuesday, April 19, 1904.

To celebrate President Eliot's seventieth birthday, Harvard graduates and students have subscribed \$5,000 for a portrait or bust to be placed in the Union.

Dr. S. P. LANGLEY, secretary of the Smithsonian Institution, has been made a corre-

sponding member of the Reale Istituto Veneto.

PROFESSORS JOSCHIKIJO KOGANEI and Tsuboi, of the University of Tokyo, have been made corresponding members of the German Anthropological Society.

DR. J. H. VAN'T HOFF, the eminent chemist, has been made an honorary doctor of medicine by the University of Utrecht.

DR. HEINRICH CARO, of Mannheim, who celebrated his seventieth birthday on February 13, has been given the honorary doctorate of engineering by the Technical School at Darmstadt, in view of his contributions to chemical science and industry.

PROFESSOR F. L. KNAPP, formerly professor of technical chemistry at the Technical School of Brunswick, has recently celebrated his ninetieth birthday.

At the request of the Peruvian government, the U. S. Geological Survey has sent Dr. George I. Adams to Peru to organize a service for hydrographic work.

DR. N. L. BRITTON, Mrs. E. G. Britton and Dr. M. A. Howe, of the New York Botanical Garden, are now engaged in a collecting expedition in Florida and in the Bahamas, using Miami as a base of operations.

DR. D. T. MACDOUGAL has returned from Sonora and Baja California, where he recently carried out some explorations. In addition to the observations and collections of vegetation valuable data concerning temperatures and relative humidity were obtained.

DR. ARTHUR HOLICK has obtained leave of absence from the New York Botanical Garden in order to examine and report upon a collection of fossil plants representing the Cretaceous (Island series) flora of Staten Island, Long Island, Block Island and Martha's Vineyard for the U. S. Geological Survey.

DR. JAMES WARD, professor of philosophy at Cambridge, will lecture before the summer school of the University of California. He will be one of the speakers before the Congress of Arts and Science of St. Louis, and will subsequently visit some of the eastern universities.

PROFESSOR MARAGLIANO, of Genoa, was unable, owing to illness, to come to this country and give the lecture on tuberculosis before the Phipps Institute of Philadelphia, which had been announced for March 28.

MR. OVERTON W. PRICE, of the Bureau of Forestry, has been appointed lecturer in the Forest School of Yale University.

MR. STEWART CULIN, of the Brooklyn Institute, on March 24, gave in the Fogg lecture-room of Harvard University the first of a series of three lectures arranged by the Anthropological Club, speaking on 'Recent Anthropological Investigations in the Southwest.' On April 12, Professor A. F. Chamberlain, of Clark University, will speak on 'What Our Civilization owes to the American Indian'; and shortly after the spring recess Mr. H. I. Smith, of the American Museum of Natural History, New York, will give an address on 'Recent Anthropological Investigations on the Northwest Coast of America.'

It is announced that the following have consented to lecture before the Carnegie Technical School at Pittsburg: Professor C. L. Mees, president, Rose Polytechnic School, Terre Haute, Ind.; Miss Helen Kinne, Teachers College, Columbia University, New York; Harriet Sackett, Pratt Institute, Brooklyn; Professor Warren P. Laird, University of Pennsylvania, Philadelphia; Professor W. T. Goldsborough, Purdue University, Lafayette, Ind.; Professor W. F. Durand, Cornell University, Ithaca, N. Y.; Professor C. F. Binns, Alfred University, Alfred, N. Y.; Professor Robert H. Richards, professor of mining and metallurgy, Massachusetts Institute of Technology, Boston; Professor James Russell, dean of Teachers College, Columbia University, New York City; H. H. Moek, mines and minerals, Scranton, Pa.; William E. Gibbs, consulting engineer, New York, and Professor C. F. Chandler, Columbia University, New York.

WE have noted the death of the well-known zoologist, Professor Fredrik Adam Smitt, which took place at Stockholm on February 19. Born on the ninth of May, 1839, at Halmstad, he took his doctor's degree at Upsala in 1863, and became docent in zoology at that uni-

versity. While in this position he joined Torell and Nordenskiöld in their expedition to Spitzbergen in 1861, went with Nordenskiöld's expedition to Beeren Island and Spitzbergen in 1868 and accompanied the frigate *Josefine* on her voyage to the Azores, England and North America in 1869. On the death of Professor Sundevall in 1871 Smitt, though only thirty-two years old, was appointed to succeed him as professor and intendant at the Natural History Museum of the state. Smitt wrote several papers on marine invertebrates, notably bryozoa, but it was for his work on fish that he was best known, especially his critical list of the Salmonidae in the state museum. Of late years he had paid much attention to the gobies. His scientific knowledge was freely bestowed in attempts to help the Swedish fisheries.

DR. KARL SCHUMANN, titular professor of botany at Berlin and curator of the Royal Botanical Museum, well known for his contributions to our knowledge of flowering plants, has died at the age of about fifty years.

WE regret also to record the death of Henry Perrotin, director of the Observatory at Nice at the age of fifty-eight years; of Dr. W. W. Markownikow, professor of chemistry in the University of Moscow; of Dr. Hermann Emminghaus, formerly professor of psychiatry at Freiburg, at the age of fifty-nine years, and of Dr. L. Beushausen, docent of paleontology at the Berlin School of Mines, at the age of forty-one years.

THE French Association for the Advancement of Science will hold its annual meeting at Grenoble beginning on August 4, 1904, under the presidency of M. C. A. Laisant.

THE following have been elected as an organization committee of the American Bibliographical Society: *Chairman*—Worthington C. Ford, Library of Congress, Washington, D. C. *Secretary-treasurer*—George W. Cole, New York City; Wilberforce Eames, Lenox Library; A. G. S. Josephson, John Crerar Library; Azariah S. Root, Oberlin College Library.

ON April 19, there will be an examination for the position of scientific assistant, quali-

fied in library science in the Bureau of Chemistry, at a salary of \$840. There will also be held on April 19 an examination for computers and for aid and deck officers in the Coast and Geodetic Survey. On April 19 and 20, there will be an examination for the position of librarian in the U. S. Coast and Geodetic Survey, at a salary of \$1,800. Further information in regard to these examinations can be obtained from the Civil Service Commission, Washington, D. C.

BILLS have been introduced into the Senate and the House of Representatives incorporating the Carnegie Institution of Washington.

ACTIVE preparations are being made at the New York Zoological Garden in Bronx Park for taking the animals out of winter quarters. Work is also being pushed with all possible speed on several new houses in the garden, the most important of which are the bird house, to cost \$115,000; the small mammal house, to cost \$38,000, and the ostrich house, to cost about the same sum.

Two physicians of the Hamburg Institute for Tropical Diseases—Drs. Otto and Neumann—have gone to South America for the purpose of studying yellow fever. They are supplied with considerable means furnished by shippers and merchants of Hamburg. In addition to scientific studies they are to collect information with reference to the new preventive measures now used in South America against yellow fever, and to devise means to prevent the heavy damages which the German merchant marine has suffered in the several years of yellow-fever epidemics.

MR. HENRY GANNETT, geographer of the United States Geological Survey, has recently received numerous letters of inquiry regarding the proper spelling of the place names in Korea and Manchuria that have become prominent. Mr. Gannett suggests that the matter would be much simplified if it were generally known that a system of transliteration of such names has been adopted by most European nations, by Canada and by this country. This plan is published in the Second Report of the United States Board on Geographic Names. The rules adopted by

the Board on Geographic Names provide that the vowels shall have the sounds that are common to the vowels in the languages of southern Europe. It follows, therefore, that *u* has the sound of *oo* in boot and that Manchuria is therefore preferred to Manchooria, Chefu to Chefoo, Amur to Amoor. It has been ruled that *ai* has the sound of *i* in ice; *au* the sound of *ow* in how (*ao*—a very frequent combination in the East, heard in names like Mindadiao and Nanao—is slightly different from the preceding); *ei*, as in Beirut, has the sound of the two Italian vowels, but is frequently slurred, when it is scarcely distinguishable from *ey* in the English word they. In accordance with the rules, *c* is always ‘soft,’ having the sound of *s*. ‘Hard’ *c* is represented by *k*, and it therefore follows that Korea is the accepted form, and not Corea. Other rules are that *ch* is always ‘soft,’ as in church; *f* is sounded as in English and *ph* should not be used to represent this sound; *g* is always ‘hard,’ as in get; *h* is always pronounced; *j* and *k* have the English sound; *kh* has the sound of the oriental guttural; *gh* is another guttural; *ng* represents in different words different sounds—two sounds, as in finger, and one, as in singer; *q* should never be employed for the sound of *qu*, which is represented by *kw*, as in Kwantung; *y* is always a consonant, as in yard.

THE Boston Society of Natural History has undertaken to publish a series of lists of New England animals to form a volume of its Occasional Papers. These lists will be issued at irregular intervals, and are considered a necessary preliminary to more exhaustive monographs on New England animals, the publication of which the society hopes at some future time to undertake. To facilitate the preparation of these catalogues, the cooperation of persons interested in the fauna of New England is invited. Any New England specimens for the society's museum should be sent to Mr. Charles W. Johnson, curator, and all notes, records, etc., to Mr. Samuel Henshaw, editor of ‘New England Fauna,’ in care of the society, Boston. The first two parts of

the projected volume, containing lists of the Reptilia and Amphibia, are now in press.

UNIVERSITY AND EDUCATIONAL NEWS.

SIR WILLIAM McDONALD will give \$100,000 to McGill University to establish a students' union hall.

THE Chicago Board of Education proposes to build, at a cost of \$500,000, a commercial high school on the lake front.

OUR consul at Bahia writes that the state of Bahia is about to organize a school of mines and wishes to arrange for a competent professor of mining. The state will make a contract for three years to pay the equivalent of from \$3,000 to \$4,000 a year as salary, with free transportation. It will be necessary that the applicant be a graduate of some recognized American school of mines and that he have both a practical and theoretical knowledge of mining. A speaking knowledge of Portuguese or Spanish is preferred, but lack of such will be no bar to a good man. Applications should be addressed to Dr. Miguel Calmon du Pin e Almeida, Secretario da Agricultura, Industria, etc., Bahia, Brazil, or may be sent to the consulate for delivery.

THE report of the members of Mr. Moseley's education commission to the United States will be published on April 9. It will contain about 600 pages and will be published at the nominal price of one shilling.

EXAMINATIONS for the Cecil Rhodes scholarship at Oxford will be held in the various states on April 13.

MR. ALEXANDER SMITH has been made professor of chemistry and director of general and physical chemistry at the University of Chicago.

DR. MAX MASON, of the Massachusetts Institute of Technology, has been appointed instructor of mathematics in Yale University.

DR. KARL WERNICKE, professor of psychiatry at Breslau, has been called to Halle to fill the chair vacant by the removal of Professor Th. Ziehen to Berlin.

DR. K. S. SEMSTRÖM, professor of physics at the University of Helsingfors, has retired from active service.